

# Multiple Protocol UHF RFID Reader



**Model: RRU9806SR**

**Size: 123mmx94mmx29mm**

**Weight: 144g**

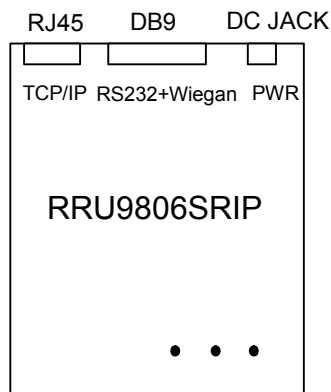
## GENERAL DESCRIPTION

RRU9806SR is a high performance Multiple Protocol UHF RFID Reader. It is designed upon fully self-intellectual property. Based on proprietary efficient digital signal processing algorithm, it supports fast tag read/write operation with high identification rate. It can be widely applied in many RFID application systems such as logistics, access control, attendance system, anti-counterfeit and industrial production process control system.

## FEATURES

- Self-intellectual property;
- Support ISO18000-6C (EPC C1G2),ISO18000-6B protocol tag;
- 902~928MHz frequency band(frequency customization optional);
- FHSS or Fix Frequency transmission;
- RF output power up to 30dbm(adjustable);
- Built-in wideband antenna with effect distance up to 500mm\*;
- Support auto-running and interactive work mode;
- Low power dissipation with single +9V DC power supply;
- SupportRS232 and Wiegand interface;
- Output format and parameters configurable;
- Provide SDK and demo software to facilitate further development.

## INTERFACE



DB9 Male		
Pin	Symbol	Comment
1	NC	Reserved
2	TXD	TXD of RS232
3	RXD	RXD of RS232
4	NC	Reserved
5	GND	GND
6	WD0	Wiegand data0
7	NC	Reserved
8	WD1	Wiegand data1
9	GND	GND

## CHARACTERISTICS

- Absolute Maximum Rating

ITEM	SYMBOL	VALUE	UNIT
Power Supply	VCC	15	V
Operating Temp.	T <sub>OPR</sub>	-10~+60	°C
Storage Temp.	T <sub>STR</sub>	-25~+80	°C

- Electrical and Mechanical Specification

Under T<sub>A</sub>=25°C, VCC=+9V unless specified

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Power Supply	VCC	6	9	12	V
Current Dissipation	I <sub>C</sub>		400	700	mA
Frequency	F <sub>REQ</sub>	902		928	MHz
Effective Distance*	Dis	0	100	500	mm

\* Effective distance depends on protocol, tag and environment.

Remark:

1. Specifications are subject to change, please pay attention to our latest one.

2. Shenzhen RoyalRay Science and Technology Co., Ltd. reserves the right to the final interpretation of the above terms.

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Shenzhen RoyalRay Science and Technology Co., Ltd.

www.rr-rfid.com

Add: Rm.116, Luohu Science & Technology Bldg., No.85 Taining Rd., Shenzhen, P.R.C.

Tel: +86 755 25531562 25636705

Fax: +86 755 25531562

E-Mail: market@rr-rfid.com